17

DUVAL CORPORATION #6 STATE /-63
NE NE Sec. 36-T19N-R25E APACHE COUNTY

			1-63
		County	Apache
	•	Area _	Holbrook Basin
•		•	State
11 me <u>Duval Corporati</u>			
cation NE NE Sec 36	Twp 19N Range	25E Footage 270' FI	VL - 150' FEL
cation NE NE Sec 36	Spud B Date 11-18-63	Abandon 11-29-63	Depth 1342'
ontractor			· · · · · · · · · · · · · · · · · · ·
asing Size Depth Cem	ent	Drilled by Ca	Rotary
4-1/2" 1220'		Production Horizon	
· · · · · ·		Initial Production _	•
See File for Core Litholog	y. (100cago 1221 -		
	<del> </del>		
lec			
ogs Gamma Ray-Neutron: pplic. Plugging	Completion	Sample	Log
o Plug Record _2	Report x	Core A	Set P-/335 nalysis
ater well accepted by			
ond Co.	None		
ond Am't \$	Cancelled	Date Organizat	ion Report None
iling Receipt			Plat Book <u>×</u>
02-001-05/0	27 Loc. Plat _	Dedication	None
<del></del>	······································		
er en			
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Permit Number None-file 1-63

Date Issued

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG DESIGNATE TYPE OF COMPLETION: Different Reservoir Oil Gas Dry Same Reservoir Plug Back Deepen 🔲 New Well DESCRIPTION OF WELL AND LEASE Address Operator 4715 E. FT. LOWELL RJ. TUCSON, ARIZONA CORPORATION DUUAL Field & Reservoir Well Number Lease Name Sec.-TWP-Range or Block & Survey Location T19N R25E Previous permit number 270' SOUTH OR, SEC 36 150 WEST OF N.F.C Date Issued County A PACHE Date completed, ready to produce Elevation of casing hd. flange Elevation (DF, RKB, RT or Gr.) feet Date total depth reached Date spudded If this is a dual or triple completion, furnish separate report for each com-pletion. 11-29-63 11-18-63 Single, dual or triple completion? P.B.T.D. Total depth 1338 Cable tools used (interval) Rotary tools used (interval) Producing interval (s) for this completion Was copy of directional survey filed? Date filed Was this well directionally drilled? Was directional survey made? Date filed Type of electrical or other logs run (check logs filed with the commission) GAMMA RAY- NEUTRON CASING RECORD Casing (report all strings set in well-conductor, surface, intermediate, producing, etc.) Sacks cement Amt. pulled Weight (lb./ft.) Depth set Size hole drilled Size casing set Purpose TUBING RECORD LINER RECORD Screen (ft.) Sacks cement Depth set Size Тор Bottom Packer set at Size ft. ít. in. ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD PERFORATION RECORD Am't. & kind of material used Depth Interval Size & type Depth Interval Number per ft. INITIAL PRODUCTION Producing method (indicate if flowing, gas lift or pumping-if pumping, show size & type of pump:) Date of first production Oil prod. during test | Gas prod. during test Water prod. during test Oil gravity Choke size Hrs. tested Date of test \* API (Corr) MCF bbls. bbls. Water Gas-oil ratio Cal'ted rate of Production per 24 hrs. Oi! Tubing pressure Casing pressure MCF bbla. Disposition of gas (state whether vented, used for fuel or sold): report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Signature STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log File two copies Form No. P-7 Authorized by Order No. 4-8-59 April 6,

Effective\_\_\_\_

€.

Formation or Member Interval (feet) Hole No. Ground elevation 5959\* 5 Dune Sand G-7 Bidahochi 7-38 Upper Petrified Forest 38-Lower Petrified Forest 512-Top of greenish-grey unit 730 Shinarump 870-Lower Nupatki 930-1077 Conconine 1077-1393 Supai 1393-Top of 1st marker Anhydrite 1465 Ground elevation 5526° Upper Petrified Forest Lower Petrified Forest (<del>) -</del> 130-Shinarump 602-623-788 Lower Nupatki 788-1096 Coconino Supai 1096-Top of 1st marker Anhydrite 1214 Ground elevation 3668' **Dune Sand** 0-5 Bidahochi basal cong. (?) 5-45 Upper Petrified Forest 45-Lower Petrified Forest 556-Top of greenish-gray unit 680 978-1020 Lower Nupatki 1020-1146 Kaibab Coconino 1146-1387 Supai 1387-Top of 1st marker Anhydrite 1491 Ground elevation 5390' Lower Petrified Forest Lower Wupatki C-184-333 535-622 Coconino 622-Supai 764 Top of 1st marker Anhydrite

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	<u> </u>	<del>(</del>		PHIC	ZING	RECORD		-(				
				, 1000		Advoss						
erator	CORPORAT	-/				4715 E. F.	La	ver Ro	. Tueso	N, ARIZONA		
me of Lease	CORPORES	(()()			Well 2	To.   Field & Res				•		
					1 6		Turn	Pre or Bloc	k & Sprvey	County		
cation of Wel	ii			alt	0.	G SEC 36: TIAN RISE APACHE						
70 SOUT	rill this well was fil	ed est	! Has t	his well e	ver	Character of well	at co	mpletion (la	itial product	lon): Dry?		
name of	in the west was in		produ	ced oil or g	İ	Oil (bbls/day)		Gas (MC				
ate plugged:			Total	depth		Amount well prod Oil (bbls/day)	ucing 	when plugg Gas (M	ea: CF/day)	Water (bbls./day)		
11-29-	12		13	38	}	0 (22.2, 2-2,						
ame of each fo	ormation con-	Fiuld con		ach format	tion	Depth interval of	each	formation	Indicate zo	& depth of plugs used nes squeeze cemented,		
ining oil or ga hich formation re at time of	l open to well-								giving amount cement.			
							- <del></del>					
				C.	ASING	RECORD			1			
Size pipe	Put in well (ft.)	Pulled or	ıt (ft.)	Left in w								
		_						<u></u>				
<u></u>				.								
Was well filled	with mud-laden flu	ıid, accordi	ng to re	gulations?		Indicate deepest	form	nation contai	ning fresh w	ater.		
					LEASE	OPERATORS OR	OW	NERS OF T	HE SURFA	CE		
Name			Address					Direc	tion from th	is well:		
								<u> </u>				
						·						
plugging oper	o other information ations to base of f urface owner autho sight be required	required o resh water rizing comp	n this for sand, poletion o	orm, if this erforated i f this well	s well winterval	as plugged back fo to fresh water sa ater well and agre	r use nd, n eeing	as a fresh wame and ad to assume f	ater well, give idress of sur uil liability for the second	e all pertinent details face owner, and atta or any subsequent plu		
File this form	ide for additional de in duplicate with th	e State of										
										of t		
report was p	repared under my st	ipervision a	nd direct	(com ion and tha	pany), a it the fa	nd that I am authoris stated therein ar	orizeđ e true	by said comp e, correct and	pany to make complete to t	this report; and that the best of my knowledge		
						Signal	 ture					
Date							STA	TE OF AF	IZONA OI ION COMM	L & GAS IISSION		
						Form No. P-1	15	Plugg	ing Record	File two copies		

A WEST DES

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1-63

FORM 159

## (JUVAL CORPORATION ()

INTER-OFFICE MEMORANDUM

DATE 1/16/64
ATTENTION B.G. MESSER FROM HAVAJO Tueson DOVAL # 6 SUBJECT: 11/15/63 DATE STARTED DATE COMPLETED G.L. ELEV Top Colo > A 429' 55.58 1338 T.D. CASING 1225 ELEV. Coco. 4740. 352B ELEV. TOP SALT ELEV. LCI 7293 4252-43

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Form 3 2M Sheets 5-54

LOVAL SULPHUR & POTASH, COMPAN 1
POTASH DIVISION WHILL
CARLSBAD, NEW MEXICO
RESPECT

WHILE WE BELIEVE THIS INFORMATION TO BE CORRECT. WE MAKE NO REPRESENTATION WITH RESPECT TO, NOR DO WE ASSUME THE RESPONSIBILITY FOR, THE CORRECTIONS THEREOF.

DUTAL CORPORATION

DE	PTH (	Feet)		INTE	RVAL	<del></del>	—- <del></del> -		DESCRIPTION
From		То		F	et	Shale	<u> </u>	P	
				_A	obre	<u>viati</u>	ops		H - Halita K - Kieserite
							_ _		A - Anhydrite Le- Leonite
						<u> </u>	$\perp$		P - Polyhalite K - Kainite
							$\perp$		S = Sylvite L = Lengbeinite
	<u> </u>			ļ		<u> </u>	$\perp$		C - Carnallite
				<u> </u>			_	ļ	fg- Fine grained med. g medium grained
					<u> </u>	<u> </u>	_	ļ	cg- coarse grained clr - clear
					<u> </u>	<u> </u>	_	ļ	incl inclusions occ occasional
				<u> </u>	ļ	<b> </b>			irreg irregular
1221	0	<u>-</u>			<u> </u>	<u> </u>	_		Started Coring
1221	0	1228	2	7	2	<u> </u>	5	95	A, gray, v.f.g.; becomes gray, clayey toward base
1228	2	1237	0	8	8	10	<b>o</b>	-	Clay-silt, red-brn., little gray, soft to mad. ha
1237	0	1237	7	0	7	1 .	-	100	A, gray, v.f.g.
1237	7	1244	1	6	4	9	5	5	Clay-silt, red-brn., very little gray; 1.0 in. A
		- · · · · · · · · · · · · · · · · · · ·				<u> </u>			band at top; clay is soft to med, hard.
1244	1	1248	4	4	3		2	98	A, lt. to med. gray, fine grained; thin red clay
									parting near base.
1248	4	1248	6	0	2	10	0		Clay, soft, brn.
1248		1249	9	1	3		5	_	H, med. g., not very clr., some soft brn. clay t
									med. hard silt incls., 1" band at 1218.7, 2" ban
									at 1249 di
1249	9	1250	4	C			<u> </u>	<u> </u>	Clay, red-brn., soft, irreg. & H, fg. to med., i
									bands & irreg. zones.
1250	4	1251	9	)		; ] ;	15	-	H, c.g., some irreg. small-large red-brn. clay-s
								<u> </u>	incls.
1251	9	1252	8			2	80_	_	Clay-silt, brn., grainy , med. hard; some irreg.
	1								to v.c.g. blebs of H.
1252	8	125	5 5		2	7	95		Silt stone, c.g.tan, med. hard; red-brown clay r
			1						base; occ. large irreg. H blebs.
1259	5 5	125	7		,	2	2	-	H, clr. c.g., some med, red clay incls. in upper
	7	126	1			4	15	-	in a second a made a game import. We

Jorm 3-A 3M Sheets 5-54

## DUVAL SULPHUR & POTASH COMPANY

WELL NO. 6	CORE LITHOLGY	PAGE NO. 2
		***************************************

		(Feet)		i	RVAL		,	DESCRIPTION
From		То			eet	Shale	P	
1261		1262		1	0	••	-	H, clr.,cg.; pitted salt ends at 1262.1:.
1262	1	1263	1	1	0	15		H, clr., med. c.g., some small-large brn. clay incls.
			-				<u> </u>	grading out down.
1263	1	1263	7	0	6	•	1	H, clr., med., very few small A/P stringers near
								middle.
1263	7	1266	3	2	6	70	-	Clay-silt, red-brn, med. hard; some irreg. H,c.g.
1266	3	1272	8	6	5	20	-	H, clr., med. c.g.; some small to large irreg. red-
								brn. clay-silt, med. hard incls. & stringers.
1272	8	1273	4	0	6	80	-	Clay-silt, brn. med. hard; some irreg. thin bands &
								veinlets of H, f.g.
1273	L	1275	0	1	8	8	_	H, clr., med. to c.g.; some irreg. med. to large brn.
	-		·				-	clay incls.
1275	O	1276	8	1	8	2	1	H, clr., med. c.g.; few small gray A blebs & stringers
		##= <b>1</b> C		1	<u> </u>		_	in upper half; few very small red clay incls. in
				<del> </del>				lower half.
3076	90	1000	90	<b>-</b>	00			
1276	00	1277	80	1	00	-	-	H, v. clr., c.g. to very c.g.; few small A/p pink-
					<del> </del> -	<u> </u>	<del> </del>	grey stringers near top & base; occ. small clear S,
		_		<del> </del>	<u> </u>	<u> </u>		blebs. Est. K20/S= 2%.
1277	80	1279	23	1	43	-	2	H, very clr., medc.g.; some clr. to milky S, bands
<del></del>		-		ļ	ļ <u>-</u>		ऻ	in lower 1; occ. small A/P pink stringers. Est.
				-	ļ <u>.</u>		<u> </u>	$K_20/S = 15\%$ .
1279	23	1280	20	0	97		4	H, very clr., med.; some S, clr. to milky, med., in
			<u> </u>	<u> </u>	<u> </u>		<u> </u>	lower 1; about 1 in. band light grey A, stringers at
					<u> </u>		<u> </u>	top & base; Est. K20/S = 6%.
1280	20	<b>1</b> 230	72	0	52	-	4	H, very clr., med., to c.g.; some irreg. S, clr., med.
				<u> </u>		<u> </u>		about & in. zone white A, stringers at base; K20/S= 3%
1280	72	1231	20	0	48	-	1	He very clr., med., to c.g.; some irreg. pink-milky
				Γ	1		T	S, blebs in lower 2; occ. small white A, stringers.
						1	1	Est. K20/S = 10%.
1281	20	1282	1.0	1	20	<u> </u>	10	H, clr., med.; interbedded with A, gray, A grading
1401	- 20	TEUE	1,0	-	120		1	
<del></del>			-	1	<del>                                     </del>	-	-	out down; some irreg. f.g. red-milky S. zones. Est.
			1	1.	1	Į.	1	K20/S = 10%.

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Form 3-A 3M Sheets 5-54

## DUVAL SULPHUR & POTASH COMPANY

WELL NO. 6 CORE LITHOLOGY PAGE NO. 3

D	EPTH			INTE	RVAL	<del></del>		DESCRIPTION
From		To		F	eet	Shale	P	
1282	40	1283	80	1	40	8	1	H, fine to med. grained; h in. gray to brn. clay
								parting at top; some small brm, clay inclusions
				<u> </u>	· ·			decreasing down; very few irreg. small S, blebs.
								Est. K <sub>2</sub> 0/S = 3%.
1283	80	1285	75	1	95	8	2	H, Mad.; some irreg. small-med. brown clay incls;
				<u> </u>	<u> </u>			few irreg. med. gray A, incl. in lower 1 ft.; very
				<u> </u>		<u> </u>		few small small-med. red-milky S, blebs. Est.
						<u> </u>		Est. K20/S = 25.
1285	75	1286	80	1	05	2	2	H, clr., med.; thin gray clay stringer at middle; for
	Table State					<u> </u>		small white A, blebs in lower 1; occ. small milky-r
								S, blegs, Est. K20/S = 2%.
1286	80	1237	85	1	05	-	3	H, clr., med.; few med. white A, stringers; occ.
								milky med. S. blebs. Est. K20/S = 1%.
1287	85	1292	5	14	65	25	-	H. F. to c.g.; clay-silt, red-brn., irreg. small to
	100				Ì			large incls. & large stringers; 0,21 clay band at
	and the contract of the contra							base; 1" band of C., clrgray, v.f.g., at 1238.5.
								2% C.
1292	5	1293	3	0	8	10	1	H, medf.g.; some large brn. clay incls.; few small
	America							pink A/P blebs.
1293	3	1293	8	0	5	60	_	Clay-silt, red-brn., med. hard, irreg.; H, med. to
								Cogo, irreg.
1293	8	1297	75	3	95	3	-	H, f.g. to c.g., clr.; few small red-brn. clay inc
								grading out down.
1297	75	1300	20	2	45	-	3	H, very clr., med. c.g.; few irreg. white-light gr
								a stringers with H, intergrowths. 1 in. A, band a
								1299.50. bottom 3 in. H, very clr., very c.g.; ver
			1	1			1	occ. small pink-milky 5, blebs. Est. K20/S = 2%.
1300	20	130	95		. 75	_	2	
								lower 1; some small red-brn. clay incls. in upper
								量 Ft.; occ. med. pink S, blibs. ist. K20/S = 15.
130	2 95	130	4 5	5 6	2 55	-	5	H, clr, med.; 2" gray A, band at base, few scatter
								pink A blebs in top 2/3.

Form 3-A 3M Sheets 5-54

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## DUVAL SULPHUR & POTASH COMPANY

WELL NO. 6 CORE LITHOLOGY PAGE NO. 4

D	ЕРТН	[ (Feet)		INTE	RVAL	ESTIM.	%	DESCRIPTION
From		То		Fe	et	Shale	Р	DESORT HON
1304	5	1305	1	0	6	90	-	Clay-silt red-brn., med. hard; small irreg. H, blebs.
1305	1	1306	0	0	9	25	-	H, med.; some irreg. med. brn. clay incls.
1306	0	1308	5	2	5	80	10	Clay-silt, brn. to gray; some irreg. H, med. to
								c.g.; 0.1: A, gray at 1307.8.
1308	5	1309	2	0	7	4		H, med.; some small-med. brn. clay incls.
1309	2	1311	2	2	0	5	-	H, f.g. to med.; small to med. soft brn. clay incls.
						<u> </u>		decreasing down from 8% at top to 2% at bottom.
1311	2	1314	9	3	7	1	3	H, clr., c.g.; few med, red P. incls. in upper part
								to small gray A at bottom; occ. irreg. soft brn.
				<u> </u>	<u> </u>		<u> </u>	clay incl.
1314	9	1321	1	6	2	4	_	H, clr.,cg.; few med. to large soft ben. clay incls.
1321	_1	1322	7	1	6	50	_	Clay-silt, brn., little gray, med. soft; bands &
				<u> </u>				small incls. of H. f.g., fairly irreg.
1322	7	1328	3	5	6	3	2	H, clr., med. to c.g.; few small to large brn. clay
					<u> </u>			incls., grading out down; V. few irreg. small AP
				ŀ.	ļ		<u> </u>	tan-gray stringers.
1326	3	1333	4	5	1	•	5	H, v. clr., c.g.; few thin gray A, bands, increasing
					<u> </u>			down.
1333	4	133կ	6	1	2	10	55	A, gray; some H, med. intergrowths & bands near top
					<u> </u>	<u> </u>	<u> </u>	1" band soft gray clay at 1334.3; few brn. clay-silt
				<u> </u>			ļ	incls. near base.
1334	6	1336	2	1	6	95	1	Clay, soft-brn., slightly silty; v. few med. H. blebs
						<u> </u>		few v. small gray A. blebs in top 0.3.
1336	2	1342	0	5	8	2	<u>ع</u>	
				<u> </u>				incls; thin white A. band at 1338.8; few irreg. A.
			<u> </u>	ļ				stringers in lower 2.
					_		<u> </u>	
1342	0							TOTAL DEPTH
-	<u> </u>					<u></u>	<u> </u>	
	<u> </u>							
	1	1			1	6	1	M

Last Chance Tank 3879 18 12 2'30" Shipping Pastur Tank 3877 27 930 Per ر 30 بالحكيار 1-63 3875 1342 Ps 7.50 : R 5570 Saddle Horse Tank 36 34 Draw 31 3474000m.N

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INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1975 109"37'30"